

SPARE CHILLER TO SVX CHILLER

If the SVX chiller goes down, and you want to continue to run SVX with the spare chiller, follow these steps and see drawing below (note: valves will have **BLUE** tapes on their handles):

1. Preparation

- ___ Make sure the Silicon has been switched off (check with a Silicon expert)
- ___ Switch off the SVX chiller (if not already off)

2. Isolate the SVX chiller and equalize SVX chiller pressure

- ___ Close SVX MV 2201 W (SVX chiller suction/storage tank)
- ___ Close SVX MV 2001 W (SVX chiller discharge)
- ___ Close SVX MV 9003 W (SVX chiller chilled water supply)
- ___ Close SVX MV 9004 W (SVX chiller chilled water return)
- ___ Open SVX MV 1995 W (SVX chiller manual bypass)
- ___ Close SPR MV 3000 W (spare chiller load isolation)
- ___ Close SPR MV 3301 W (spare chiller storage tank isolation)

3. Connect spare chiller to the ISL circuit:

- ___ Open SPR MV 2301 W (spare chiller discharge)
- ___ Open SVX MV 2203 W (spare chiller on SVX storage tank)
- ___ Open SVX MV 2303 W (SVX/spare chiller discharge isolation)
- ___ Open SVX MV 9007 W (spare chiller chilled water supply)
- ___ Open SVX MV 9008 W (spare chiller chilled water return)

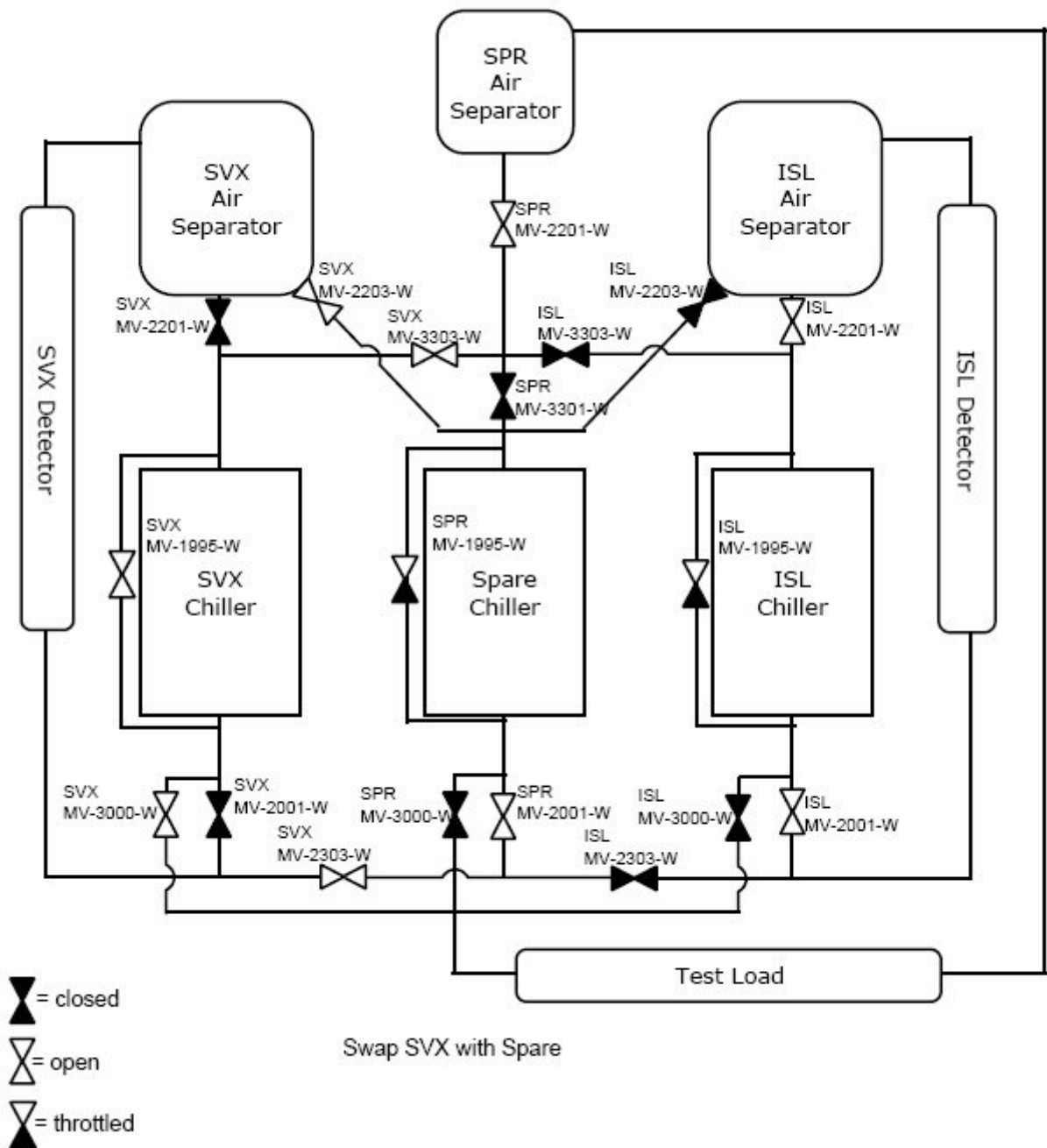
4. Start up spare chiller:

- ___ Disconnect grey control cable from SVX chiller controller box and connect to spare chiller controller box
- ___ Silence the iFix alarm on SVX chiller return temperature, the cable is not connected to the spare chiller
- ___ Lower the freeze protection set point inside the controller box to -12°C
- ___ Start the chiller on the controller box, check that it runs on a remote set point (RSP) of -10°C
- ___ Throttle SPR MV 1995 W (spare chiller manual bypass) to regulate discharge pressure to 27 psi (on pressure gauge SPR PI 1990 W)
- ___ Disconnect power cord of SVX chiller backup pump and connect power cord of spare chiller backup pump to outlet

Date/Time _____

Name _____

Signed _____



Troubleshooting:

- Rule #1: Follow the pipes!
- You can only start up a chiller locally if the “Loc./Rem.” switch on the controller box is in “Loc.”
- If the spare chiller does not start due to low flow, check if SPR MV 2200 W on the spare chiller is open